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<b>TRANSMITTAL FORM</b> <i>(to be used for all correspondence after initial filing)</i>	Application Number	10/053,348	
	Filing Date	November 2, 2001	
	First Named Inventor	Rosenthal, Dan E.	
	Art Unit	2123	
	Examiner Name	Unassigned	
Total Number of Pages in This Submission	8 cys	Attorney Docket Number	020910-000310US

ENCLOSURES (check all that apply)		
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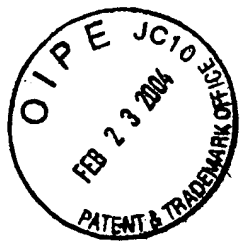
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SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT		
Firm or Individual	Protein Mechanics, Inc. Charles K. Sholtz	Reg. No. 38,615
Signature		
Date	February 13, 2004	

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PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:

Dan E. Rosenthal

Application No.: 10/053, 348

Filed: November 2, 2001

For: METHOD FOR ANALYTICAL  
JACOBIAN COMPUTATION IN  
MOLECULAR MODELING

Examiner: Unassigned

Art Unit: 2123

SUPPLEMENTAL INFORMATION  
DISCLOSURE STATEMENT UNDER 37  
CFR §1.97 and §1.98

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The references cited on attached form PTO/SB/08B are being called to the attention of the Examiner. Copies of the references are enclosed. It is respectfully requested that the cited references be expressly considered during the prosecution of this application, and the references be made of record therein and appear among the "references cited" on any patent to issue therefrom.

As provided for by 37 CFR 1.97(g) and (h), no representation is being made that a search has been conducted or that this statement encompasses all the possible relevant information, and no inference should be made that the information and references cited are, or are considered to be material to patentability because they are in this statement. No inference should be made that the information and references cited are prior art merely because they are in this statement.

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Respectfully submitted,



Charles K. Sholtz  
Reg. No. 38,615

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of

1

Application Number

10/053.348

Filing Date

November 2, 2001

**First Named Inventor**

Rosenthal, Dan E.

**Art Unit**

2123

Examiner Name

Unassigned

Attorney Docket Number

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		ABAGYAN, et al., "New Methodology for Computer-Aided Modelling of Biomolecular Structure and Dynamics 2. Local Deformation Cycles", 1989, <u>Journal of Biomolecular Structure &amp; Dynamics</u> 6(4):833-845.	
		GIBSON, et al., "Variable Step Molecular Dynamics: An Exploratory Technique for Peptides with Fixed Geometry", 1990, <u>Journal of Computational Chemistry</u> 11(4):468-486.	
		JAIN, et al., "Linearization of Manipulator Dynamics Using Spatial Operators", 1993, <u>IEEE Transactions on Systems, Man and Cybernetics</u> 23(1):239-248.	
		LUDOVICE, et al., "Molecular dynamics of geometrically constrained polymer systems in generalized coordinates: Basic formalism", 1991, <u>Computational Polymer Science</u> 1:69-79.	
		MAZUR, et al., "New Methodology for Computer-Aided Modelling of Biomolecular Structure and Dynamics 1. Non-Cyclic Structures", 1989, <u>Journal of Biomolecular Structure &amp; Dynamics</u> 6(4):815-832.	
		PESKIN, ET AL., "Molecular Dynamics by the Backward-Euler Method", 1989, <u>Communications on Pure and Applied Mathematics</u> XLII:1011-1031.	
		ROSENTHAL, et al., "High Performance Multibody Simulations via Symbolic Equation Manipulation and Kane's Method", 1986, <u>The Journal of the Astronautical Sciences</u> , 34(3):223-239.	
		ROSENTHAL, "An Order n Formulation for Robotic Systems", 1990, <u>The Journal of the Astronautical Sciences</u> , 38(4):511-529.	
		ROSENTHAL, "Engineers Notes: Triangulation of Equations of Motion for Robotic Systems", 1988, <u>The Journal of Guidance</u> , 11(3):278-281.	
		SCHLICK, et al., "A molecular dynamics simulation of a water droplet by the implicit Euler/Langevin scheme", 1991, <u>J. Chem. Phys.</u> , 94(3):2118-2129.	
		ZHANG, et al., "The Langevin/implicit-Euler/normal-mode scheme for molecular dynamics at large timesteps", 1994, <u>J. Chem. Phys.</u> 101(6):4995-5012.	

Examiner Signature		Date Considered	
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